

Daily Report For 2016-05-19

Metal Bank

Sheetpile Repair
Cottman Avenue
Philadelphia, PA (US)
Report number: 3340011G-10
Date: May 19, 2016 01:08 PM

Status

05/19/2016 (Thursday) - Day 7 of R6 stone installation in Zone 2; Day 2 of R6 stone installation in Zone 1; Day 8 of overall R6 stone installation. CEI conducted turbidity monitoring two times over the course of the day. Surveyor on-site to survey targets and stone placement progress. The crane was used to perform R6 stone placement in Zone 2, in the areas between Targets E and F and between Targets D and E. The long-reach excavator was used to perform R6 stone placement in Zone 1. The production rate for the crane is currently approximately 3 times slower than that of the excavator. Therefore, CEI will replace the existing clamshell bucket on the crane with a grapple attachment tomorrow.

Details of Construction Activities

0630 to 0700 - Ramboll Environ (June Yeung), CEI, and CDM Smith **Exemption 4 - CBI** on-site. Subcontractors for crane operation (Thackray) and surveyor (Weber) also on-site.

0700 - CEI performed health and safety meeting.

0700 to 0900 - CEI mobilized boat to the City boat launch area, began turbidity monitoring, and adjusted turbidity boom in Zone 2. CEI performed turbidity readings one more time during the day and provided the turbidity monitoring form at the end of the day. Turbidity readings did not exceed the performance criteria throughout the day.

0720 to 1500 - CEI performed stone placement in Zone 2 with the crane, in the area between Target E and Target D and between Target E and Target F. CEI closely directed crane operator during stone placement throughout the day since approximately 1030.

- CEI simultaneously placed stone in Zone 1 with the long-reach excavator. The reach of the long reach excavator was insufficient to be able to place the stone from the heights specified in the contract documents. Alternately, stone placement was performed at a height of approximately 5.5 feet from the top of the sheetpile wall; CEI used a tape measure to monitor the height of the excavator bucket during stone placement.

- Stone placement by the crane is currently approximately 3 times slower than stone placement by the long reach excavator. Therefore, CEI will replace the existing clamshell bucket on the crane with a grapple attachment tomorrow to increase production rate.

0815 to 1025 - Stone placement by the crane was halted because a pin that is part of the clamshell bucket needed to be replaced. A service truck arrived and repairs were conducted.

1025 to 1200 - Will Geiger of EPA on-site.

1505 - **Exemption 4 - CBI** of CDM Smith off-site.

1530 - CEI off-site.

1600 - June Yeung of Ramboll Environ off-site.

The Week Ahead

Friday 5/20

R6 stone placement. CEI will also replace the clamshell bucket currently on the crane with a 2 cubic yard crane grapple attachment to increase production rate.

Monday 5/21

R6 stone placement

Tuesday 5/22

R6 stone placement

Wednesday 5/23

R6 stone placement

Thursday 5/24

R6 stone placement.

The following activities will also take place next week, although the exact dates are currently unknown:

- Waler delivery
- Dock builders on-site to install wooden float stages for waler repair and to perform other preparation work
- Surveyor on-site for two days

Contacts and people present

Role and company name	Name	Contact information	Present	Sent
Oversight [Ramboll]	Eric Emery	609-961-1363 eemery@ramboll.com	✗	✓
Oversight [Ramboll]	Joe Vitale	jvitale@ramboll.com	✗	✓
Oversight [Ramboll]	June Yeung	609-977-5899 jyeung@ramboll.com	✓	✓
CEI Project Superintendent [Creamer Environmental, Inc.]	John Castellani	201-522-5089 jcastellani@creamerenvironmental.com	✓	✓
CEI Project Manager [Creamer Environmental, Inc.]	Gary Kowalski	201-376-7153 gkowalski@creamerenvironmental.com	✗	✓
Laborer [Creamer Environmental, Inc.]	Laborer 1		✓	
Laborer [Creamer Environmental, Inc.]	Laborer 2		✓	
Laborer [Creamer Environmental, Inc.]	Laborer 3		✓	
Laborer [Creamer Environmental, Inc.]	Laborer 4		✗	
Ramboll Project Manager [Ramboll]	Nicholas Steenhaut	617-946-6109 nsteenhaut@ramboll.com	✗	✓
EPA Oversight [CDM Smith]	Exemption 4 - CBI	Exemption 4 - CBI Exemption 4 - CBI	✓	✓

EPA Oversight [USACE]	David Depolo	David.S.Depolo@usace.army.mil	✗	
EPA Oversight [CDM Smith]	Exemption 4 - CBI	Exemption 4 - CBI Exemption 4 - CBI	✗	✓
EPA Oversight [USACE]	Travis Fatzinger	Travis.T.Fatzinger@usace.army.mil	✗	
EPA Oversight [USEPA]	William Geiger	Geiger.William@epa.gov	✓	✓
Design Engineer [RAC]	Joe Caciola	joe@racllc.com	✗	✓
Design Engineer [RAC]	Walter Papp	walter@racllc.com	✗	✓
Operator [Creamer Environmental, Inc.]	Operator 1		✓	
Operator [Thackray Crane Rental, Inc.]	Operator 2		✓	
Oiler 1 [Thackray Crane Rental, Inc.]	Oiler 1		✓	

Visitors

Will Geiger (EPA)
 Surveyor (Weber)
 Crane repairmen (Thackray)
 Hauling trucks for R6 stone
 Refueling truck

Equipment On-Site






CASE CX250C Long Reach Excavator
 CASE 821F Loader
 CAROLINA SKIFF 19DLX Boat
 American 9310 Lattice Boom Crane

Material Tracking

Twelve (12) loads of R6 stone, totaling 259.44 tons, were imported. Approximately 180 tons were placed today, with 40 tons in Zone 2 and 140 tons in Zone 1.

A total of 1691.09 tons of R6 stone has been delivered to date. Approximately 940 tons have been placed to date.

Observations

Remark	Description	Assignee(s):
Rip-Rap		
✓ R6 stone placement [3.1] May 18, 2016	(see pics below) <div>   </div> <div>   </div>	
✗ R6 stone stockpile extends beyond crushed stone pad [7.1] May 18, 2016	CEI continued to address some of this concern today and will address the rest tomorrow. <div>  </div>	John Castellani

<div>✓ Creation of holes near the top of the sheetpile wall for the installation of float stages [10.1]</div> <div>May 19, 2016</div>	<p>CEI proposed to burn six holes, each approximately the size of a quarter, near the top of the sheetpile wall to install wooden float stages for the dock workers to stand on during waler repair. These float stages would replace the originally proposed sand bags and wooden platform described in the contract documents.</p> <p>Walter Papp of RAC indicated that this modification is acceptable as long as surface water or soil is not expelled from the holes created and that the holes will be repaired after the work is complete. Will Geiger of the EPA indicated that this modification is acceptable as well.</p>	
General / Other		
<div>✗ <u>Diesel oil spilled onto asphalt pavement in staging area [4.1]</u></div> <div>May 11, 2016</div>	<p>Affected area cleaned up based on visual observations. Cleanup materials awaiting disposal.</p>	<p>John Castellani</p>

Testing and Monitoring

Weber was on-site today to conduct surveys of the sheetpile wall targets and the riprap berm. Results will be shared as soon as they become available. CEI provided today's turbidity monitoring data. These data indicate that there were no exceedances of the performance criteria.

Documents

Description	Status	Date	Responsible
Baseline Bathymetric Survey	Received	05/09/2016	John Castellani
Baseline Wall Survey	Received	05/09/2016	John Castellani
Turbidity Monitoring 05/10/2016	Received	05/10/2016	John Castellani
Stone Delivery Tickets 05/09/2016	Received	05/09/2016	John Castellani
Turbidity Monitoring 05/11/2016	Received	05/11/2016	John Castellani
Stone Delivery Tickets 05/11/2016	Received	05/11/2016	John Castellani
Stone Delivery Tickets 05/10/2016 (Revised)	Received	05/10/2016	John Castellani
Stone Delivery Tickets 05/12/2016	Received	05/12/2016	John Castellani
Turbidity Monitoring 05/12/2016	Received	05/12/2016	John Castellani
Turbidity Monitoring 05/13/2016	Received	05/13/2016	John Castellani
Turbidity Monitoring 05/16/2016	Received	05/16/2016	John Castellani
Stone Delivery Tickets 05/16/2016	Received	05/16/2016	John Castellani

Stone Delivery Tickets 05/13/2016	Received	05/13/2016	John Castellani
Wall and Rip Rap Survey 5/16/16	Received	05/16/2016	John Castellani
Turbidity Monitoring 05/17/2016	Received	05/17/2016	John Castellani
Turbidity Monitoring 05/18/2016	Received	05/18/2016	John Castellani
Stone Delivery Tickets 05/19/2016	Received	05/19/2016	John Castellani
Turbidity Monitoring 05/19/2016	Received	05/19/2016	John Castellani

General conditions

Disclaimer: Information contained in this Field Observation Report has been prepared to the best of our knowledge according to observable conditions at the site.